

**Burnham & Morrill Company
Cumberland County
Portland, Maine
A-77-71-J-A**

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #2**

After review of the air emissions license amendment application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

I. REGISTRATION

A. Introduction

1. Burnham & Morrill Company (B&M) of Portland, Maine was issued Air Emission License A-77-71-H-A/R on August 2, 2002, permitting the operation of emission sources associated with their food products facility. The license was subsequently amended on October 3, 2002 (A-77-71-I-M).
2. B&M has requested an amendment to their license in order to increase the facility's annual #6 fuel oil limit from 750,000 to 1,000,000 gallons per year.

B. Amendment Description

B&M operates three (3) boilers for facility heating and process steam needs. Each boiler is licensed to fire either #6 fuel oil, with a sulfur content not to exceed 0.5% by weight, or natural gas. Historically, B&M has operated the boilers on #6 fuel oil in the winter and switched to an interruptible supply of natural gas during the summer months. Due to the current high costs of natural gas, B&M has chosen to fire #6 fuel oil in the summer as well.

B&M has proposed raising their annual fuel limit of #6 fuel oil to one million gallons to ensure they won't exceed their annual fuel limit and to provide additional operational flexibility.

C. Application Classification

The modification of a minor source is considered a major modification based on whether or not expected emission increases exceed the “Significant Emission Levels” as given in Maine’s Air Regulations. The emission increases are determined by subtracting the current licensed emissions preceding the modification from the maximum future licensed allowed emissions, as follows:

<u>Pollutant</u>	<u>Current License (TPY)</u>	<u>Future License (TPY)</u>	<u>Net Change (TPY)</u>	<u>Sig. Level</u>
PM	26.8	30.7	+3.9	100
PM ₁₀	26.8	30.7	+3.9	100
SO ₂	28.2	39.6	+11.4	100
NO _x	61.4	70.8	+9.4	100
CO	27.8	28.4	+0.6	100
VOC	2.0	2.2	+0.2	50

This modification is determined to be a minor modification and has been processed as such.

D. Annual Emission Restrictions

B&M shall be restricted to the following annual emissions, based on a 12 month rolling total:

Total Allowable Annual Emission for the Facility
(used to calculate the annual license fee)

	PM	PM₁₀	SO₂	NO_x	CO	VOC
#6 Fuel Oil	15.0	15.0	39.4	37.5	2.5	0.2
Natural Gas	15.5	15.5	--	30.0	25.2	1.7
Generator #1	0.1	0.1	0.1	0.8	0.2	0.1
Generator #2	0.1	0.1	0.1	2.5	0.5	0.2
Total TPY	30.7	30.7	39.6	70.8	28.4	2.2

Based On:

- Firing 1,000,000 gallons of 0.5% sulfur #6 fuel oil in any combination of Boilers #1, #3, #4
- Firing 600 million scf of natural gas in any combination of Boilers #1, #3, #4
- Firing Generator #1 and Generator #2 each for 500 hours per year

II. AMBIENT AIR QUALITY ANALYSIS

B&M previously submitted an ambient air quality analysis demonstrating that emissions from the facility, in conjunction with all other sources, do not violate ambient air quality standards. The Department determined that an additional ambient air quality analysis for this amendment was not required.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-77-71-J-A subject to the conditions found in Air Emission License A-77-71-H-A/R, in amendment A-77-71-I-M, and in the following conditions:

The following shall replace Condition (18)(A) of Air Emission License A-77-71-H-A/R:

(18) Fuel Limits

- A. The total fuel oil use for the facility shall not exceed 1,000,000 gallons/year of #6 fuel oil, based on a 12-month rolling total, with a maximum sulfur content not to exceed 0.5% by weight. Fuel records, including gallons used and percent sulfur, shall be maintained on a monthly basis, in addition to the 12-month rolling total.

The following shall replace Condition (24) of Air Emission License A-77-71-H-A/R:

(24) Annual Emission Statement

In accordance with MEDEP Chapter 137, the licensee shall annually report to the Department the information necessary to accurately update the State's emission inventory by means of:

- 1) A computer program and accompanying instructions supplied by the Department;
- or

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- 2) A written emission statement containing the information required in MEDEP Chapter 137.

Reports and questions should be directed to:

Attn: Criteria Emission Inventory Coordinator
Maine DEP
Bureau of Air Quality
17 State House Station
Augusta, ME 04333-0017

Phone: (207) 287-2437

The emission statement must be submitted as specified in Chapter 137.

The following are new Conditions:

- (28) This amendment shall expire concurrently with Air Emission License A-77-71-H-A/R.

DONE AND DATED IN AUGUSTA, MAINE THIS DAY OF 2003.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
DAWN R. GALLAGHER, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 7/23/03

Date of application acceptance: 7/23/03

Date filed with the Board of Environmental Protection: _____

This Order prepared by Lynn Ross, Bureau of Air Quality.